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## <u>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</u>

In re application of:

Chang-Jun AHN

Serial No.:

10/582,815

Filing Date:

June 14, 2006

For:

TRANSMITTER, RECEIVER, TRANSMITTING METHOD,

RECEIVING METHOD, AND PROGRAM

Attorney Docket No.:

60,233-032

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 AND 1.98

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to Rule 97 and in compliance with Rule 56, Applicant hereby makes of record the items listed on the attached Form SB/08. Copies of the foreign and miscellaneous reference are enclosed.

None of these item(s) disclose the inventive concepts claimed in the subject application.

Should there be a fee associated with this document, please charge it to Deposit Account No. 08-2789.

Respectfully submitted,

**HOWARD & HOWARD ATTORNEYS, P.C.** 

July 24, 2006

Date

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## **CERTIFICATE OF EXPRESS MAILING**

I hereby certify that the enclosed **INFORMATION DISCLOSURE STATEMENT** is being deposited with the United States Postal Service as Express Mail, postage prepaid, in an envelope as "Express Mail Post Office to Addressee," Mailing Label No. **EV695478130US** and addressed to Commissioner for Patents, P.O. 1450, Alexandria, Virginia 22313-1450 on **July 24, 2006.** 

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PTO/SB/08A (08-03) (modified)
Approved for use through 07/31/2006 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known		
				Application Number	10/582,815	
IN	FORMATIO	N DISC	OSURE	Filing Date	June 14, 2006	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Chang-Jun AHN	
STATEMENT BY APPLICANT			LICAITI	Art Unit	Not Yet Assigned	
	(use as many she	eets as nece	essary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	60,233-032	

	U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т <sub>6</sub>	
_	1	WO 2005/062509 A1	07-07-2005	National Institute of Information and Communications Technology			
	2	PCT/JP2003/016275	12-18-2003	Communications Research Laboratory			
	3	JP Abstract 2002-185428	06-28-2002	Symbol Technologies			
	4	JP Abstract 2001-285242	10-12-2001	Seiko Epson Corp			
	5	JP Abstract 10-107761	04-24-1998	Jisedai Digital Television Hoso Syst	,		

Examiner	Date	
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(use as many sheets as necessary)			LICANI	Art Unit	Not Yet Assigned	
			essary)	Examiner Name	Not Yet Assigned	
Sheet	2	of	2	Attorney Docket Number	60,233-032	

		NON PATENT LITERATURE DOCUMENTS	-
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Article from Technical Report of IEICE, October 2002 entitled Convolutional Coded Coherent and Differential Unitary Space-Time Modulated OFDM with Bit Interleaving for Multiple Antennas System	
		Article from Technical Report of IEICE, January, 2003 entitled LDPC Coded Unitary Space-Time Modulated OFDM in Broadband Mobile Channel	
		Article from IEEE Transactions of Information Theory, March, 2000 entitled <i>Unitary Space-Time Modulation for Multiple-Antenna Communications in Rayleigh Flat Fading</i>	

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